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SANTA BARBARA • SANTA CRUZ

VISIBILITY LABORATORY
SCRIPPS INSTITUTION OF OCEANOGRAPHY

SAN DIEGO, CALIFORNIA 92152

VisLab File No. 003

To: Commander
Navy Ship Systems Command
Attn: Code 03522

Subj: NASA Interagency Fund Transfer R-139; Visibility Laboratory activities under Contract NObs-92058 for April 1966 on the development for NASA of computer techniques for performing visibility calculations

Work has continued on the development of computer programs for visual search calculations. Successful computer runs have been made which automatically plotted the area about each point of fixation within which the target would have been detected with a specified probability of detection. The pattern of successive fixation points constitutes the search pattern and is specified as input data to the computer.

Visual psychophysics investigations have continued throughout the month and have consisted of continued collection of threshold data for 2° targets on axis and at 12° periphery at four azimuths. Preliminary data collection on the crater project (detection of targets imbedded in dark background with an extended bright surround) has been accomplished during April.

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None

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RW Antler for

S. Q. Duntley
Director

Visibility Laboratory

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